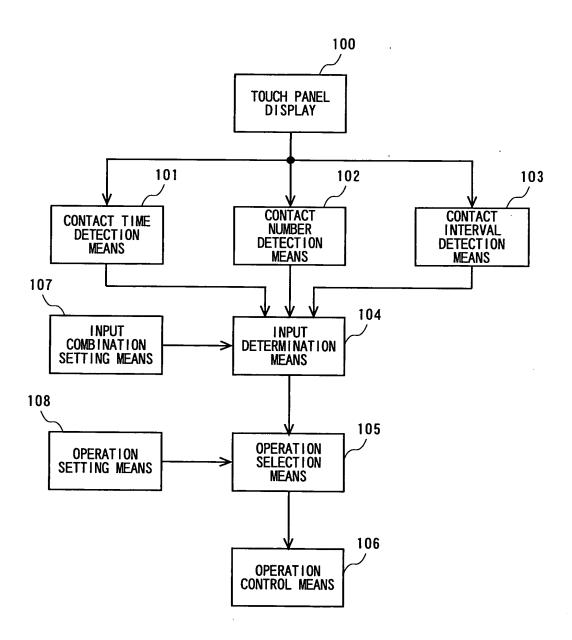
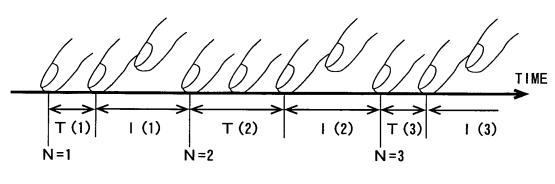
F I G. 1



F I G. 2



F I G. 3

COMMAND	N	T (1)	l (1)	T (2)	I (2)	T (3)	1 (3)	T (4)	
COMMAND A	2	SHORT	SHORT	SHORT					
COMMAND B	2	SHORT	LONG	SHORT					
COMMAND C	3	SHORT	SHORT	SHORT	SHORT	SHORT			
COMMAND D	4	SHORT							
COMMAND E	3	SHORT	SHORT	SHORT	SHORT	LONG			
COMMAND F	4	SHORT	SHORT	SHORT	SHORT	SHORT	SHORT	LONG	
•									,
•									

FIG. 4

COMMAND	OPERATION				
COMMAND A	START ROUTE NAVIGATION				
COMMAND B	END ROUTE NAVIGATION				
COMMAND C	ZOOM IN MAP TO ONE STEP LARGER IN SCALE				
COMMAND D	ZOOM IN MAP TO TWO STEPS LARGER IN SCALE				
COMMAND E	ZOOM OUT MAP TO ONE STEP SMALLER IN SCALE				
COMMAND F	ZOOM OUT MAP TO TWO STEPS SMALLER IN SCALE				
•	•				
•					

F I G. 5 **START** \$501 No FINGER HAS TOUCHED TOUCH PANEL? Yes **S502** DETECT CONTACT NUMBER \$503 DETECT CONTACT TIME PERIOD **S504** FINGER IS No DETACHED FROM TOUCH PANEL? Yes \$505 DETECT TIME INTERVAL **BETWEEN CONTACTS S506** FINGER HAS Yes TOUCHED TOUCH PANEL? No \$507 No COMMAND INPUT ENDED? Yes \$508 DETERMINE COMMAND INPUT \$509 SELECT OPERATION **S510** CONTROL OPERATION **END**

F I G. 6 609 **VIBRATION** DETECTION **MEANS** 610 100 **ERRONEOUS TOUCH PANEL OPERATION DISPLAY PREVENTING MEANS** 601 602 603 CONTACT TIME CONTACT **CONTACT** NUMBER DETECTION MEANS DETECTION **INTERVAL MEANS** DETECTION MEANS 107 104 INPUT INPUT **COMBINATION DETERMINATION** SETTING MEANS **MEANS** 108 105 **OPERATION OPERATION SELECTION** SETTING MEANS **MEANS** 106 **OPERATION** CONTROL MEANS

FIG. 7

CONTACT INTERVAL DUE TO CHATTERING

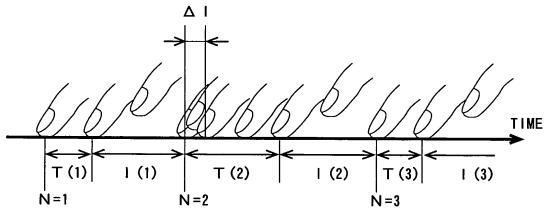


FIG. 8

	TIME INTERVAL BETWEEN CONTACTS TO BE DETERMINED AS CHATTERING
VIBRATION ABSENT	EQUAL TO OR SHORTER THAN 10 ms
VIBRATION PRESENT	EQUAL TO OR SHORTER THAN 100 ms

F I G. 9

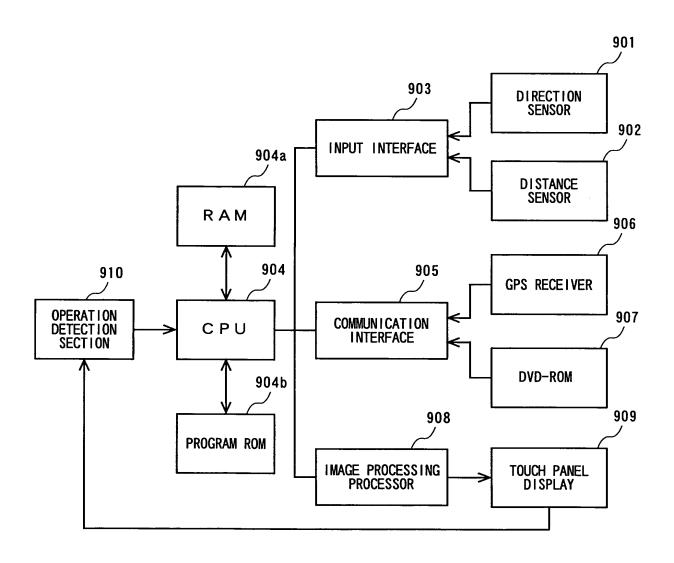
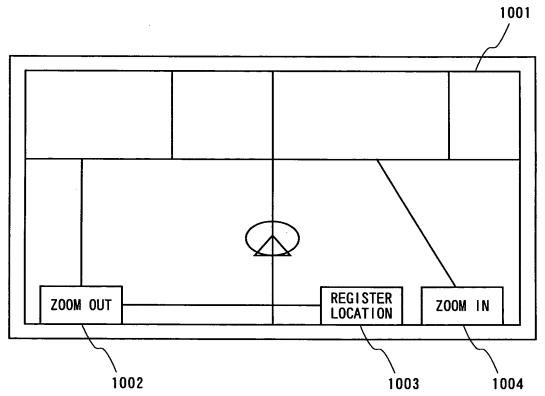


FIG. 10



F I G. 11

